

FILEID**RMSOUPDAT

L 3

RRRRRRRR RRRRRRRR MM MM MM SSSSSSSS 000000 UU UU PPPPPPPP DDDDDDDD AAAAAA TTTTTTTT
RRRRRRRRR MM MM MM SSSSSSSS 000000 UU UU PPPPPPPP DDDDDDDD AAAAAA TTTTTTTT
RR RR MMMM MMMM SS 00 00 UU UU PP PP DD DD AA AA TT
RR RR MMMM MMMM SS 00 00 UU UU PP PP DD DD AA AA TT
RR RR MM MM MM SS 00 0000 UU UU PP PP DD DD AA AA TT
RR RR MM MM MM SS 00 0000 UU UU PP PP DD DD AA AA TT
RRRRRRRRR MM MM SSSSSS 00 00 UU UU PPPPPPPP DD DD AA AA TT
RRRRRRRRR MM MM SSSSSS 00 00 UU UU PPPPPPPP DD DD AA AA TT
RR RR MM MM SS 0000 00 UU UU PP DD DD AAAAAAAA TT
RR RR MM MM SS 0000 00 UU UU PP DD DD AAAAAAAA TT
RR RR MM MM SS 00 00 UU UU PP DD DD AA AA TT
RR RR MM MM SSSSSSSS 000000 UUUUUUUUUU PP DD DD AA AA TT
RR RR MM MM SSSSSSSS 000000 UUUUUUUUUU PP DD DD AA AA TT

...
...
...

LL IIIII SSSSSSSS
LL IIIII SSSSSSSS
LL II SS
LLLLLLLLL LLLLIII SSSSSSSS
LLLLLLLLL LLLLIII SSSSSSSS

R
V

(2) 74
(3) 97

DECLARATIONS
RMSSUPDATE - COMMON \$UPDATE SETUP AND DISPATCH ROUTINE

0000 1 \$BEGIN RMSOUPDAT,000,RMSRMS,<DISPATCH FOR UPDATE OPERATION>
0000 2
0000 3 *****
0000 4 *****
0000 5 *
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0000 23 *
0000 24 *
0000 25 *****
0000 26
0000 27 ++
0000 28 Facility: rms32
0000 29
0000 30 Abstract:
0000 31 this routine is the highest level control
0000 32 routine to perform the Supdate function.
0000 33
0000 34
0000 35 Environment:
0000 36 star processor running starlet exec.
0000 37
0000 38 Author: L F LAVERDURE. Creation Date: 3-FEB-1977
0000 39
0000 40
0000 41 Modified By:
0000 42
0000 43 V03-007 JWT0141 Jim Teague 11-Nov-1983
0000 44 Change IFBSV_RUM to IFBSV_ONLY_RU
0000 45
0000 46 V03-006 KPL0003 Peter Lieberwirth 26-Jul-1983
0000 47 If AT jnling, tell RJR this is an UPDATE.
0000 48
0000 49 V03-005 KPL0002 Peter Lieberwirth 24-Jul-1983
0000 50 If AT journaling, get RAB data that describes user's request.
0000 51
0000 52 V03-004 KPL0001 Peter Lieberwirth 20-Jun-1983
0000 53 Change some references to JNLFLG to JNLFLG2.
0000 54
0000 55 V03-003 TMK0001 Todd M. Katz 27-Dec-1982
0000 56 Do not turn off the IRBSV_FIND_LAST flag within RMSRSET. This
0000 57 flag will be turned off within the routines for the individual

RMSOUPDAT
V04-000

DISPATCH FOR UPDATE OPERATION

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5-SEP-1984 16:25:37 [RMS.SRC]RMSOUPDAT.MAR;1

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0000	58	file organizations.
0000	59	
0000	60	V03-002 JWH0153 Jeffrey W. Horn 8-Dec-1982
0000	61	Don't allow \$UPDATE if not in recovery unit and RU only
0000	62	specified for file.
0000	63	
0000	64	V03-001 KBT0196 Keith B. Thompson 23-Aug-1982
0000	65	Reorganize psects
0000	66	
0000	67	V02-004 REFORMAT D M WALP 25-JUL-1980
0000	68	
0000	69	
0000	70	--
0000	71	
0000	72	

0000 74 .SBTTL DECLARATIONS
0000 75
0000 76 :
0000 77 : Include Files:
0000 78 :
0000 79 :
0000 80 :
0000 81 : Macros:
0000 82 :
0000 83 :
0000 84 \$IFBDEF
0000 85 \$RMSDEF
0000 86 \$RJRDEF
0000 87 :
0000 88 :
0000 89 : Equated Symbols:
0000 90 :
0000 91 :
0000 92 :
0000 93 : Own Storage:
0000 94 :
0000 95 :

0000 97 .SBTTL RMSSUPDATE - COMMON \$UPDATE SETUP AND DISPATCH ROUTINE
 0000 98
 0000 99 :++
 0000 100 RMSSUPDATE
 0000 101
 0000 102 RMSSUPDATE - this routine performs common rab function setup followed
 0000 103 by dispatch to organization-dependent \$update code
 0000 104
 0000 105 Calling sequence:
 0000 106
 0000 107 entered from exec as a result of user's calling sys\$update
 0000 108 (e.g., by using the \$update macro)
 0000 109
 0000 110 Input Parameters:
 0000 111
 0000 112 ap user's argument list addr
 0000 113
 0000 114 Implicit Inputs:
 0000 115
 0000 116 the contents of the rab and related irab and ifab.
 0000 117
 0000 118 Output Parameters:
 0000 119
 0000 120 r1 destroyed
 0000 121 r0 status code
 0000 122
 0000 123 Implicit Outputs:
 0000 124
 0000 125 various fields of the rab are filled in to reflect
 0000 126 the status of the \$update operation. (see rms functional
 0000 127 spec for a complete list.)
 0000 128
 0000 129 the irab is similarly updated.
 0000 130
 0000 131 a completion ast is queued if specified in the user arglist.
 0000 132
 0000 133 Completion Codes:
 0000 134
 0000 135 standard rms (see functional spec for list).
 0000 136
 0000 137 Side Effects:
 0000 138
 0000 139 none
 0000 140
 0000 141 --
 0000 142 SENTRY RMSSUPDATE
 0000 143 STSTPT UPDATE
 0006 144 SRABSET FAC=IFBSV_UPD : do common setup
 000A 145
 000A 146
 000A 147 : returns to user on error
 000A 148
 000A 149
 0E 00A0 CA 00 E1 000A 150 BBC #IFBSV_ONLY RU,IFBSB_JNLFLG(R10),10\$: branch if not RU only
 08 00A2 CA 02 E0 0010 151 BBS #IFBSV_RUP,IFBSB_JNLFLG2(R10),10\$: branch if in RU
 0016 152 RMSERR NRU
 FFE2' 31 001B 153 BRW RMSEXRMS

09 00A0 CA 04 E1 001E 154 10\$:
51 1C D0 0024 155
00000000'EF 16 0027 156 :
001E 157 : If AT journaling, get some information from RAB.
001E 158 :
002D 159 BBC #IFBSV_AT, IFBSB_JNLFLG(R10), 20\$; skip if not AT jnling
002D 160 MOVL #RJRS_UPDATE, R1 ; this is UPDATE
002D 161 JSB RMSAT_COM_RAB ; get RAB data into RJR
002D 162 20\$:
002D 163
002D 164 :
002D 165 : dispatch to org-dependent code
002D 166 :
002D 167
002D 168 CASE TYPE=B, SRC=IFBSB_ORGCASE(R10), -
002D 169 DISPLAY=<RMSSUPDATE1, RMSSUPDATE2, RMSSUPDATE3>
00000008 0038 170 .IF NE \$\$RMSTEST&\$\$RMS_TBUGCHK
FFC5' 31 0038 171 BRW RM\$ERRORG
0038 172 .ENDC
0038 173 .END

RMSOUPDAT Symbol table

DISPATCH FOR UPDATE OPERATION

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SS_PSECT_EP	=	00000000
SSRMSTEST	=	0000001A
SSRMS_PBUGCHK	=	00000010
SSRMS_TBUGCHK	=	00000008
SSRMS_UMODE	=	00000004
IFBSB_JNLFLG	=	000000A0
IFBSB_JNLFLG2	=	000000A2
IFBSB_ORGCASE	=	00000025
IFBSV_AT	=	00000004
IFBSV_ONLY_RU	=	00000000
IFBSV_RUP	=	00000002
IFBSV_UPD	=	00000003
PIOSA_TRACE	*****	X 01
RJRS_UPDATE	=	0000001C
RMSAT_COM_RAB	*****	X 01
RMSEERRORG	*****	X 01
RMSEXRMS	*****	X 01
RMSRSET	*****	X 01
RM\$UPDATE1	*****	X 01
RMSUPDATE2	*****	X 01
RMSUPDATE3	*****	X 01
RM\$UPDATE	*****	X 01
RMSS_NRU	= FFFFFFFE	RG 01
TPTSC_UPDATE	= 000187FC	X 01
	*****	X 01

+-----+
! Psect synopsis !
+-----+

PSECT name

Allocation	PSECT No.	Attributes
00000000 (0.)	00 (0.)	NOPIC USR
0000003B (59.)	01 (1.)	PIC USR
00000000 (0.)	02 (2.)	NOPIC USR

! Performance indicators !

Phase

Page faults	CPU Time	Elapsed Time
29	00:00:00.08	00:00:01.18
111	00:00:00.73	00:00:04.74
221	00:00:05.45	00:00:16.93
0	00:00:00.70	00:00:01.30
45	00:00:01.03	00:00:02.00
4	00:00:00.04	00:00:00.04
2	00:00:00.03	00:00:00.03
0	00:00:00.00	00:00:00.00
414	00:00:08.06	00:00:26.22

The working set limit was 1350 pages.

28944 bytes (57 pages) of virtual memory were used to buffer the intermediate code.

There were 30 pages of symbol table space allocated to hold 583 non-local and 4 local symbols.

173 source lines were read in Pass 1, producing 13 object records in Pass 2.

175 source lines were read in Pass 1, producing 15 object
18 pages of virtual memory were used to define 17 macros.

RMSOUPDAT
VAX-11 Macro Run Statistics

DISPATCH FOR UPDATE OPERATION

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+-----+
! Macro library statistics !
+-----+

Macro Library name

\$255\$DUA28:[RMS.OBJ]RMS.MLB;1
-\$255\$DUA28:[SYS.OBJ]LIB.MLB;1
\$255\$DUA28:[SYSLIB]STARLET.MLB;2
TOTALS (all libraries)

Macros defined

9
1
3
13

696 GETS were required to define 13 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:RMSOUPDAT/OBJ=OBJ\$:RMSOUPDAT MSRC\$:RMSOUPDAT/UPDATE=(ENH\$:RMSOUPDAT)+EXECMLS/LIB+LIB\$:RMS/LIB

